

Title (en)  
VECTORS ENCODING GENE EDITING SYSTEMS AND USES THEREOF

Title (de)  
VEKTOREN, DIE FÜR GENEDITIERUNGSSYSTEME KODIEREN UND DEREN VERWENDUNGEN

Title (fr)  
VECTEURS CODANT POUR DES SYSTÈMES D'ÉDITION GÉNIQUE ET LEURS UTILISATIONS

Publication  
**EP 4373942 A1 20240529 (EN)**

Application  
**EP 22846866 A 20220722**

Priority  

- US 202163225210 P 20210723
- US 202163283100 P 20211124
- US 202263335467 P 20220427
- US 202263342584 P 20220516
- US 2022074074 W 20220722

Abstract (en)  
[origin: WO2023004430A1] Provided herein are viral vectors comprising a transgene encoding a compact effector protein and uses thereof. These effector proteins are shown to be active with guide RNAs and may be characterized as CRISPR-associated (Cas) proteins. Due to the small nature of the effector protein, the viral vector has ample room for additional genome editing cargo, such as a guide nucleic acid and a donor nucleic acid. Various compositions, systems, and methods of the present disclosure leverage the activities of these effector proteins for the modification, detection, and engineering of nucleic acids

IPC 8 full level  
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CPC (source: EP US)  
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**C12N 2310/20** (2017.05 - US); **C12N 2750/14143** (2013.01 - EP US); **C12N 2830/008** (2013.01 - US); **C12N 2830/48** (2013.01 - US)

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Designated extension state (EPC)  
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**WO 2023004430 A1 20230126**; EP 4373942 A1 20240529; US 2024218393 A1 20240704

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